

Title (en)

Osteosynthesis plate with multiple bone screws

Title (de)

Osteosyntheseplatte mit mehreren Knochenschrauben

Title (fr)

Plaque d'ostéosynthèse avec plusieurs vis à os

Publication

**EP 0988833 B1 20031001 (DE)**

Application

**EP 99810742 A 19990818**

Priority

- EP 99810742 A 19990818
- EP 98810957 A 19980924

Abstract (en)

[origin: EP0988833A2] The osteosynthesis plate has several bone-screws (2) possessing a head (3) with spherical contact surface with the annular nearly spherical surface (5) of the plate. A fastening screw (6) has an outer thread (7) for screwing into the plate and presses the head of the bone screw. The fastening screw has a conical recess (8) with an inner thread (9) with the same pitch and direction as the outer thread. The head of the bone-screw has a threaded groove (10) produced by plastic deformation in the screw head. The diameter (12) of the ball of the screw head is less than 40% larger than the outer diameter (13) of the thread of the bone-screw.

IPC 1-7

**A61B 17/80**

IPC 8 full level

**A61B 17/80** (2006.01); **A61B 17/88** (2006.01)

CPC (source: EP)

**A61B 17/8042** (2013.01); **A61B 17/8863** (2013.01)

Cited by

EP1153577A1; CN112004491A; DE10326643A1; US7780711B2; US7527639B2; EP3028655A1; US9655665B2; US8702764B2; FR2915081A1; US2021085379A1; WO2010121388A1; US6595993B2; EP2092904A1; US11529176B2; US11877779B2; US10226291B2; US10898247B2; US10159514B2; US10980575B2; US11696786B2; WO2011110916A1; WO2008128663A3; WO2004006802A3; WO2008145902A3; WO2017147095A1; US8114140B2; US7678113B2; US8109980B2; US8470007B2; US6989012B2; US8070784B2; US9387028B2; US10206722B2; US10888358B2; WO2008128663A2; US8808335B2; US10166051B2; US10499964B2; US11129653B2; US11547458B2; US11925396B2

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

**EP 0988833 A2 20000329; EP 0988833 A3 20000412; EP 0988833 B1 20031001**

DOCDB simple family (application)

**EP 99810742 A 19990818**